

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>T1615Y</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/GB2004/004985</b>	International filing date (day/month/year) <b>25/11/2004</b>	(Earliest) Priority Date (day/month/year) <b>03/12/2003</b>
Applicant  <b>MERCK &amp; CO. INC.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

**1-ALKYL-3-THIO-SUBSTITUTED INDOLE-2-ALKYNOIC ACIDS USEFUL FOR THE TREATMENT FOR ALZHEIMER'S DISEASE AND RELATED CONDITIONS**

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/004985

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D209/30 C07D209/36 C07D417/12 C07D403/06 A61K31/405  
A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/02561 A1 (UNIVERSITY OF SOUTH FLORIDA, USA) 20 January 2000 (2000-01-20) page 9, paragraph 1; claims 6,11,12	1-15
Y	FRENETTE R ET AL: "Substituted indoles as potent and orally active 5-lipoxygenase activating protein (FLAP) inhibitors" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 9, no. 16, 16 August 1999 (1999-08-16), pages 2391-2396, XP004174197 ISSN: 0960-894X scheme 1. Table 18 and scheme 2	1-15



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

23/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Schuemacher, A

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/004985

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/082108 A1 (MULSHINE, JAMES L. ET AL) 1 May 2003 (2003-05-01) column 2, paragraph 21 - column 3, paragraph 23	1-15
Y	US 5 081 138 A (GILLARD, JOHN W. ET AL) 14 January 1992 (1992-01-14) cited in the application column 1, line 55 - column 26; claims 1,2	1-15

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004985

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0002561	A1	20-01-2000	AU 4994899 A	01-02-2000
US 2003082108	A1	01-05-2003	NONE	
US 5081138	A	14-01-1992	US 5225421 A	06-07-1993
			AT 73770 T	15-04-1992
			AU 603402 B2	15-11-1990
			AU 8260387 A	23-06-1988
			DE 3777614 D1	23-04-1992
			DK 660887 A	25-09-1988
			EP 0275667 A1	27-07-1988
			GR 3004910 T3	28-04-1993
			IL 84796 A	29-03-1992
			JP 63246372 A	13-10-1988
			NZ 222878 A	26-02-1991
			PT 86378 A ,B	01-01-1988
			ZA 8709401 A	09-06-1988
			CA 1334415 C	14-02-1995